



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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LAKE ERIE

LEZ444	Mi Waters Of Lake Erie								
6 W Luna Pier	19	1830EST			0	0			Marine Tstm Wind (G50)

LAKE HURON

LHZ462	Lh Pt Austin To Hbr Beach Mi 5Nm Offshore To Intl Border								
Port Austin	10	1530EST			0	0			Marine Tstm Wind (G50)
LHZ441	Pt Austin To Hbr Beach Mi								
Port Austin	10	1530EST			0	0			Marine Tstm Wind (G50)
LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
10 SW Saginaw River Mo	19	1600EST			0	0			Marine Tstm Wind (G52)
10 SE Saginaw River Mo									
LHZ421	Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi								
30 SW Alabaster	19	1600EST			0	0			Marine Tstm Wind (G52)

LAKE ST CLAIR

LCZ460	Lake St Clair (U.S. Portion)								
20 SW Grosse Pointe	10	1801EST			0	0			Marine Tstm Wind (G38)
LCZ460	Lake St Clair (U.S. Portion)								
6 W St. Clair Shores	19	1930EST			0	0			Marine Tstm Wind (G37)

MICHIGAN, East

MIZ047>049-053>055-060>063-068>070-075>076-082>083

Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe

01	0000EST								
30	0000EST			0	0				Drought

The month of September turned out to be like much of the summer of 2002 was, hot and dry. The dry weather was especially severe from the northern suburbs of Detroit to the Tri Cities and thumb. The monthly rainfall total of 0.29 inches recorded at Flint Bishop airport was the lowest ever recorded for September, making the month the driest September on record for the city of Flint. The 0.39 inches recorded in Saginaw made it the second driest September on record. Flint, Saginaw and Detroit metro airport received less than .05 inches of precipitation during the first half of the month. The dryness was only worsened by the heat. Several record highs were set throughout eastern Michigan during the month of September. After an extremely hot and dry July and August, the weather of September 2002 only exasperated drought conditions. During the first half of the month, hundreds of communities across the area were under water restrictions. Hardest hit from the drought was the agricultural industry. September yields across most of the area were estimated at under 50 percent and many counties across eastern Michigan were declared agricultural disaster areas. At the time of this publication, an estimate of monetary damages due to crop loss was not available.

Huron County

Port Austin	10	1530EST			0	0	50K	Thunderstorm Wind (G52)
Storm spotters reported that a large tree was uprooted and blown onto a house in thunderstorms winds. The house sustained extensive damage.								

Huron County

Bay Port	10	1535EST			0	0	20K	Thunderstorm Wind (G55)
A grain silo sustained some minor damage from thunderstorm winds. Some windows were also reported to have been blown out of a barn.								



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<u>MICHIGAN, East</u>							
Huron County							
1 NW Owendale	10	1555EST			0 0	30K	Thunderstorm Wind (G50) Emergency management reported several trees and power lines blown onto the road in thunderstorm winds. The roof and west wall of a barn was also reportedly blown off in thunderstorm winds
Shiawassee County							
3 S Laingsburg	10	1557EST			0 0	15K	Thunderstorm Wind (G52) Trained spotters and broadcast media reported several large trees blown down, some of which blocked roadways. One tree limb landed on a house, while another house lost its chimney.
Livingston County							
5 S Fowlerville	10	1600EST			0 0		Thunderstorm Wind (G50) Spotters reported that several large trees were blown down in thunderstorm winds.
Lapeer County							
5 N Lapeer	10	1615EST			0 0		Thunderstorm Wind (G50) An off duty NWS employee reported several large trees and tree branches blown down in thunderstorm winds.
Livingston County							
3 S Howell	10	1615EST			0 0		Thunderstorm Wind (G50) Livingston County Central Dispatch reported that several large trees were blown down in thunderstorm winds.
Shiawassee County							
1 N Morrice	10	1615EST			0 0	75K	Lightning Lightning struck a barn and set it on fire. The barn was heavily damaged.
Shiawassee County							
Morrice	10	1615EST			0 0	50K	Thunderstorm Wind (G52) A newspaper reported that several large trees and tree limbs were blown down in thunderstorm winds, some of which fell onto homes.
Shiawassee County							
3 W Perry	10	1615EST			0 0		Thunderstorm Wind (G55) Spotters reported that three large trees were blown down.
Livingston County							
5 SE Brighton	10	1630EST			0 0		Thunderstorm Wind (G50) Law enforcement reported that numerous one foot diameter trees were blown down in Green Oak Township due to thunderstorm winds.
St. Clair County							
Capac	10	1700EST			0 0		Thunderstorm Wind (G52) A trained spotter estimated 60 MPH thunderstorm winds.
Washtenaw County							
Chelsea	10	1720EST			0 0		Thunderstorm Wind (G50) Spotters reported that three large trees were blown down onto power lines.
St. Clair County							
Yale	10	1900EST			0 0		Thunderstorm Wind (G50) St Clair County Central Dispatch reported that power lines were blown down in thunderstorm winds.
St. Clair County							
Jeddo	10	1910EST			0 0		Thunderstorm Wind (G50) Trained spotters reported a large tree blown down in thunderstorm winds.

After several days of record warmth, a strong cold front moved through eastern Michigan during the afternoon of the 10th. Due to some dry air situated below the bases of the storm clouds, evaporational cooling increased the downdraft strength of



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<u>MICHIGAN, East</u>								
many of the thunderstorms. This caused some of the storms to produce very strong wind gusts, some of which caused damage. Hundreds of power outages were blamed on these thunderstorms. The more widespread outages in eastern Michigan occurred across portions of Shiawassee, Huron and Livingston counties.								
Shiawassee County								
Perry	19	1538EST			0	0		Hail(0.88)
Midland County								
7 SW Midland	19	1550EST			0	0		Thunderstorm Wind (G52)
								Trained spotters reported that thunderstorm winds uprooted and blown onto Brooks Road near Meridian Road in Mount Haley Township.
Bay County								
5 SW Bay City	19	1600EST			0	0	25K	Thunderstorm Wind (G52)
								Law enforcement reported that several large trees were blown down and that several garage doors were blown in due to thunderstorm winds.
Midland County								
Midland	19	1600EST			0	0		Thunderstorm Wind (G50)
								Law enforcement reported numerous trees blown down in thunderstorm winds.
Saginaw County								
Saginaw	19	1600EST			0	0		Thunderstorm Wind (G50)
								The newspaper reported that thunderstorm winds blew down a large tree and several large branches in residential areas near the downtown.
Bay County								
1 N Essexville	19	1605EST			0	0		Thunderstorm Wind (G54)^M
Bay County								
1 NE Willard	19	1605EST			0	0		Thunderstorm Wind (G50)
								Spotters reported that thunderstorms blew several large tree limbs onto the road
Lenawee County								
3 S Adrian	19	1715EST			0	0		Thunderstorm Wind (G50)
								Spotters reported several large tree limbs blown down in thunderstorm winds.
Washtenaw County								
Ann Arbor	19	1755EST			1	2		Lightning
								Three men were installing a roof at an apartment complex under construction when they were struck by lightning. Two of the men were injured, while the third was later pronounced dead. M34LS
Livingston County								
4 NE Brighton	19	1757EST			0	0		Thunderstorm Wind (G52)
								A spotter reported that a large tree was blown over in thunderstorm winds
Oakland County								
2 W Milford	19	1802EST			0	0		Thunderstorm Wind (G50)
								Spotters reported several six inch diameter tree limbs blown down in thunderstorm winds
Washtenaw County								
1 SW Whittaker	19	1806EST			0	0		Thunderstorm Wind (G50)
								Spotters reported that thunderstorm winds blew several eight inch diameter tree limbs down.
Monroe County								
Lambertville	19	1830EST			0	0	2K	Thunderstorm Wind (G50)
								Spotters reported that thunderstorm winds blew over a half a dozen telephone poles
Monroe County								
Temperance	19	1830EST			0	0		Thunderstorm Wind (G50)
								Spotters reported several large trees blown down in thunderstorm winds



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					Killed	Injured	Property	Crops	

MICHIGAN, East

St. Clair County

Algonac to
2 SW Algonac

19	1945EST	0	0	100K	Thunderstorm Wind (G55)
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The media and trained spotters reported numerous large trees blown down in Algonac and on Harsens Island. One tree fell onto the roof of a home. A pickup truck was destroyed by a fallen tree. Two tool sheds were also destroyed by fallen trees.

An upper air disturbance move across Lower Michigan during the late afternoon and evening hours on the 19th. This disturbance combined with unseasonably warm and humid air across Lower Michigan to trigger widespread thunderstorms. These thunderstorms initially moved into the Saginaw Valley during the late afternoon hours. During the evening, another round of thunderstorms moved from south to north across the region. Some of these thunderstorms were severe with damaging wind gusts.